

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/002611

**A. CLASSIFICATION OF SUBJECT MATTER**

**IPC7 G01N 33/80, C12M 1/24, A61B 5/00, B01D 21/26**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G01N 33/80, G01N 35/01, G01N 33/00, G01N 21/01

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patent and Applications for Inventions since 1975

Korean Utility Models and Applications for Utility Models since 1975

Japanese Utility Models and Application for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, WPI, USPTO, PAJ, CAPLUS(STN), INSPECT "blood, typing, group, method microchannel, filter, device, column, agglutination, technology, filter, microcolumn etc."

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	1. US 5594808 A (Ortho Diagnostic Systems Inc.) 14 Jan 1997 - see the entire document	1-34
A	2. US 5620898 A (Ortho Diagnostic Systems Inc.) 15 Apr 1997 - see the entire document	1-34
A	3. JP 2761385 B2 (Toa Iyo Denshi KK, Japan) 04 Jun 1998 - see the entire document	1-34
A	4. US 2002/0098528 A1 (John F. Gordon, et al.) 25 Jul 2002 - see the entire document	1-34
E, A	5. KR 2003-0092680 A (Digital Bio Technology, Korea) 06 Dec 2003 - see the entire document	1-34

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"^" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

30 AUGUST 2004 (30.08.2004)

Date of mailing of the international search report

31 AUGUST 2004 (31.08.2004)

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2003/002611

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5594808 A	14 Jan 1997	none	
US 5620898 A	15 Apr 1997	none	
JP 2761385 B2	04 Jun 1998	US 5215714 A EP 336013 B1 DE 3852946 C0	01 Jun 1993 01 Feb 1995 16 Mar 1995
US 2002/0098528 A1	25 Jul 2002	none	
KR 2003-0092680 A	06 Dec 2003	none	